

Photo #1



Photo #2



Photo #3



## Attaching Forms to Risers

You will be building the hull first, so one at a time, place each form, hull side up, on the proper side of it's riser with the horizontal centerline on the form aligned with the top of the riser and the vertical centerline on the form aligned with the vertical line on the riser. Temporarily clamp in place and mark with a pencil where you will need to drill the holes in the form for the bolts to go through. Mark somewhere in the middle of the slots if you made them so that there is room for adjustments in all directions. **(Photo #1)**

Do this for each form. Once you have them all marked and removed, drill the holes in the forms large enough to cleanly accommodate the bolt size being used to attach the forms to risers. **(Photo #2)** You may have to remove part of some risers that are too big for your forms might interfere with building on the outer edges.

After all the holes are drilled, re-attach all the forms in the same manner with horizontal and vertical centerlines aligned on risers. Clamp while you permanently attach the forms to the risers with bolts and wing nuts. **(Photo #3)** This is where you can make minor adjustments. Loosen the wing nuts enough to adjust forms and re-tighten. Move along and attach all the forms.

To make sure you have all the forms aligned, stand at the end of the beam and look down the length of the vertical and horizontal center lines marked on top and sides of all the forms to see if they line up.

Photo #4



You can also use string lines to check alignment. Clamp a straight piece of wood to the last two forms and align with the vertical centerline. **(Photo #4 & #5)**

Adjust the forms so that they align with the string line down the horizontal and vertical centerlines.

Once you are satisfied with everything, tighten down the wing nuts so that nothing moves.

Photo #5

